

FIG. 2a

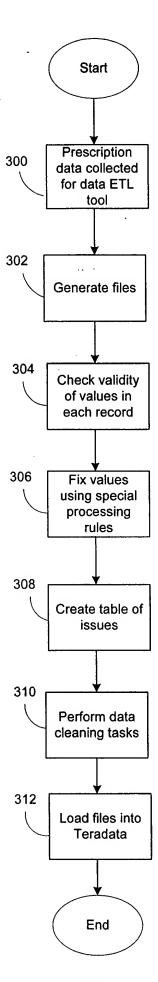


FIG. 3

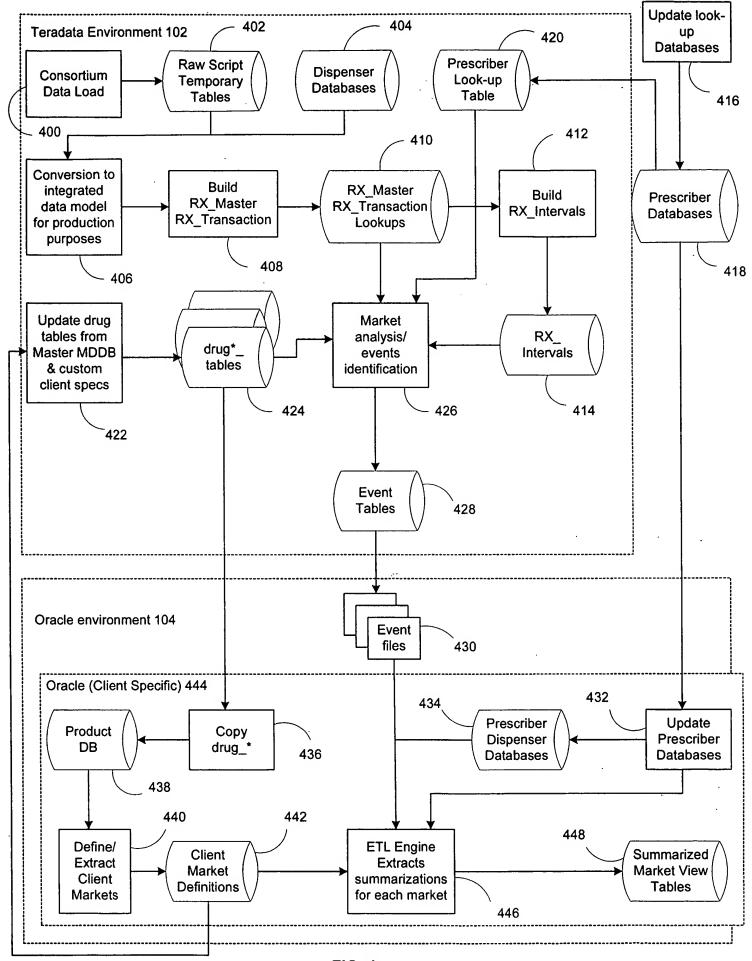
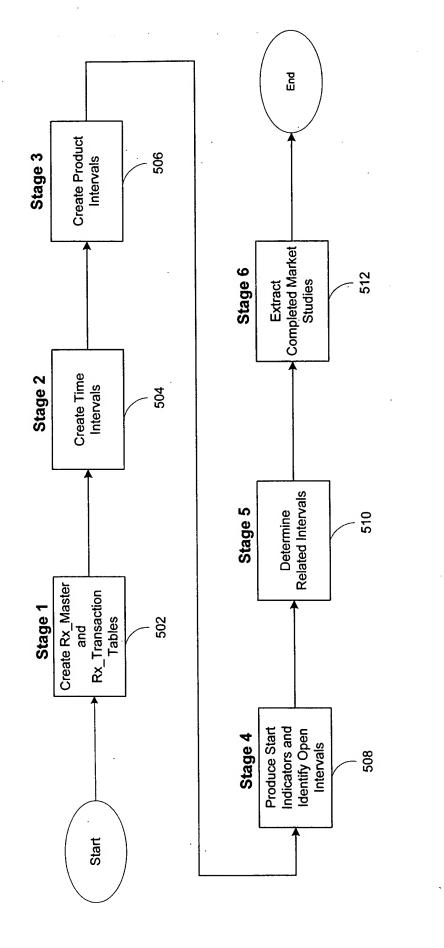


FIG. 4



200

FIG.

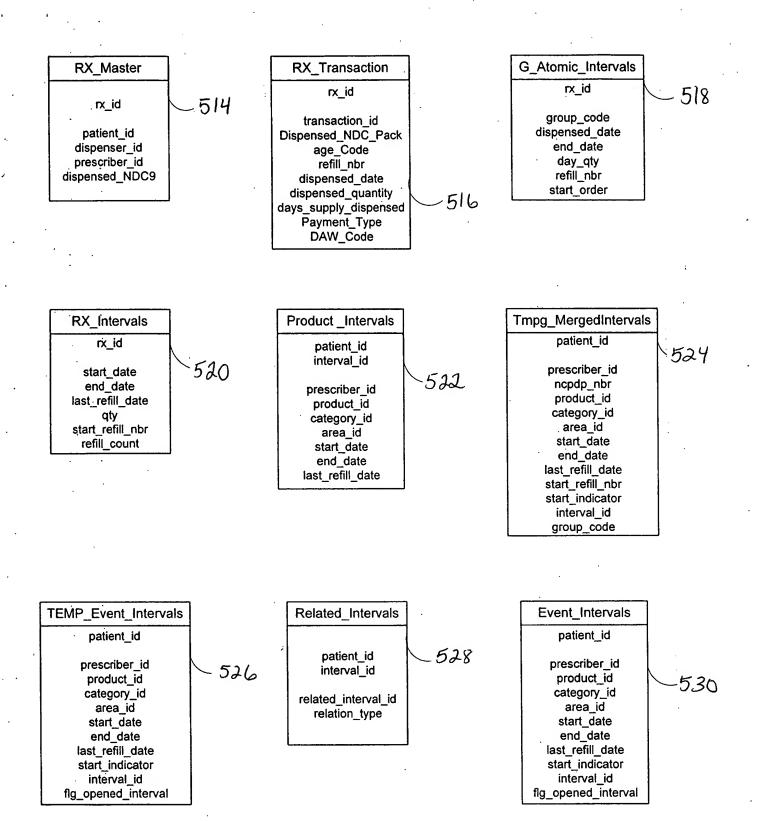
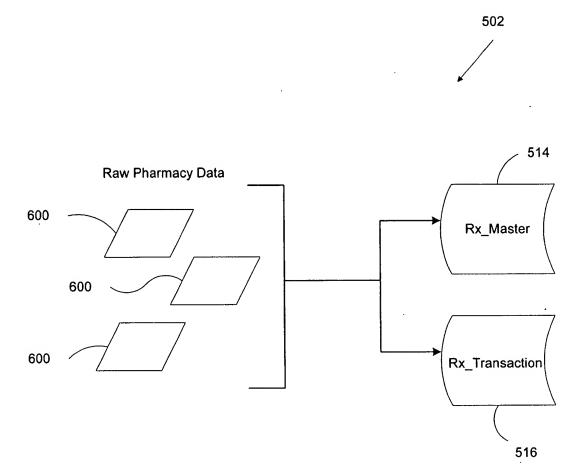


FIG. 5a



<u>FIG. 6</u>

		RX	-MASTER
Column Name	Data	Null	Description
	Type	Option	_
• 1			Primary key. Keys this table to
rx_id			RX_Transaction.
			A unique identifier for the current anonymous
			patient. Details about the patient, including
nations id			birth year and gender, are stored separately in a
patient_id			Patient table. The Patient table is keyed to
			this patient_id as is the Patient Identifier used
			by the Dispenser for this patient
			A unique identifier which indicates the
			pharmacy that dispensed the product to the
			patient. Dispenser_id is used to link to the
			dispenser table and contains details about the
dispenser id			dispenser/pharmacy including address, chain
uispenser_ia			affiliations, store affiliations and NCPDP
			number. Currently, the <i>dispenser_id</i> is the
			pharmacy's NCPDP number but this may be
			changed at some point because not all data
			providers apply NCPDP numbers
			Identifies the prescribing physician. This is a
			sequentially generated identifier. The
			xREF_DEA table provides a look-up between
prescriber_id			the prescriber_id and the DEA number. In the
			future, another "xREF" table will provide a
			direct map between the <i>prescriber_id</i> and the
	ļ		Dendrite UMP databases.
			Identifies the product dispensed. The number
			is the first 9 digits of an 11-digit format
			National Drug Code (NDC code). The first 5
			digits of this number identifies the
/			manufacturer. The next 4 digits provide the
			manufacturer's product number. Dispensed NDC9 is stored as an integer, thus
			the leading 0's are implicit. Since the last 2
dispensed_NDC9			digits of an 11-digit NDC number just specify
			a given product's package code, we can safely
			assume that all prescriptions with the same first
			9 digits are, in fact, the same product. Note:
			any product with an NDC code which doesn't
			follow the NDC11 to NDC9 roll-up cannot be
			analyzed using ScripMaxIQ. This includes
			medical devices.
			inounan dovicos.

Figure 6a

	RX-TR	RANSACTI	ION
Column Name	Data Type	Null Option	Description
rx id	Integer	Not Null	Primary key. Keys this table to RX_Master .
transaction_id	Decimal (11,0)	Not Null	Uniquely identifies the current purchase transaction. Since prescription ID's aren't required for consortium data, this ID is derived by combining the four elements which make up rx_id as well as refill_no and dispensed_date.
Dispensed_NDC_Package_Code	Smallint		Holds the last 2 digits that had been removed to create Dispensed_NDC9 From the current prescriptions 11-digit NDC Code.
REFILL_NBR	Smallint		This is the refill sequence number from the original prescription. The first null prescription has a refill number of 0.
dispensed_date	Date Format yyyy-mm-dd	Not null	Specifies the date that the current transaction occurred.
dispensed_quantity	Decimal (10,2) Compress 30		Indicates the number of dosages (pills, capsules, etc.) that were dispensed
DAYS_SUPPIED_DISPENSED	Smallint Compress 30		Shows the number of days that this dispensed medication is scheduled to last, i.e. 60 pills @ 2 per day = 30 days. There are values for days_supply_dispensed which don't match the day supply but indicate other things. For example, a value of "98" or "99" indicates that a given product was dispensed on an "as needed" basis.
Payment_type	Varchar (1) Character set latin not case specific		Specfies the form of payment used to purchase this medication, i.e., cash, medical insurance or Medicare
DAW_Code	Varchar (2)	Character	Shows whether the dispenser provided the exact product specified on the prescription or a substitute

Figure 6b

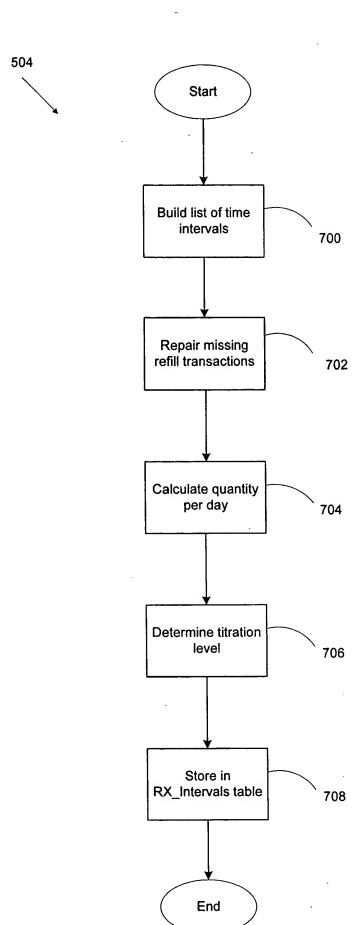


FIG. 7

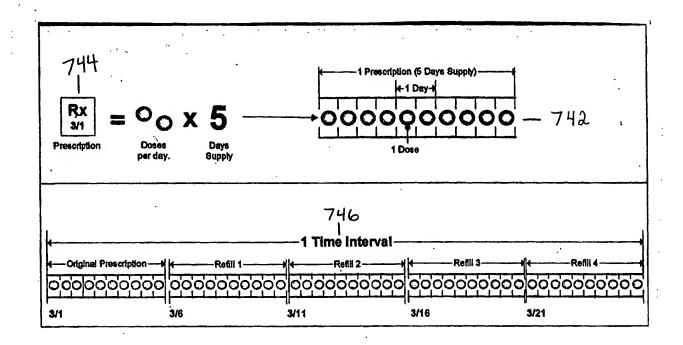


FIG. 7a

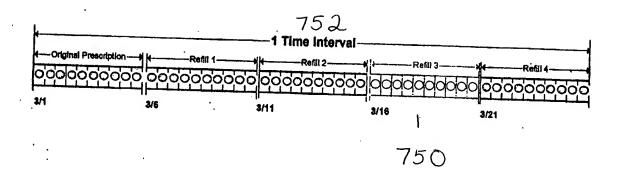


FIG. 7b

		RX_Interv	al .
Column Name	Data Type	Null Option	Description
rx_id			Primary Key.
start_date			Indicates the start of the current refill's treatment cycle. Calculated from the Rx purchase date.
end_date			Indicates the end of the current refill's treatment cycle. Calculated by adding the days_supply of the medication to its purchase date.
last_refill_date			last_refill_date is the last date within this interval that the the patient physically refilled an Rx for the same product. The actual date the patient stopped taking the product will be sometime between this date and end_date, which is last_refill_date plus days_supply taken from the last refill (which could be different from the days_supply for all previous refills on a prescription).
qty			Refers to quantity per day of the medication. This is a fractional number.
start_refill_nbr			Stores the refill number of the earliest transaction in

FIG. 7c

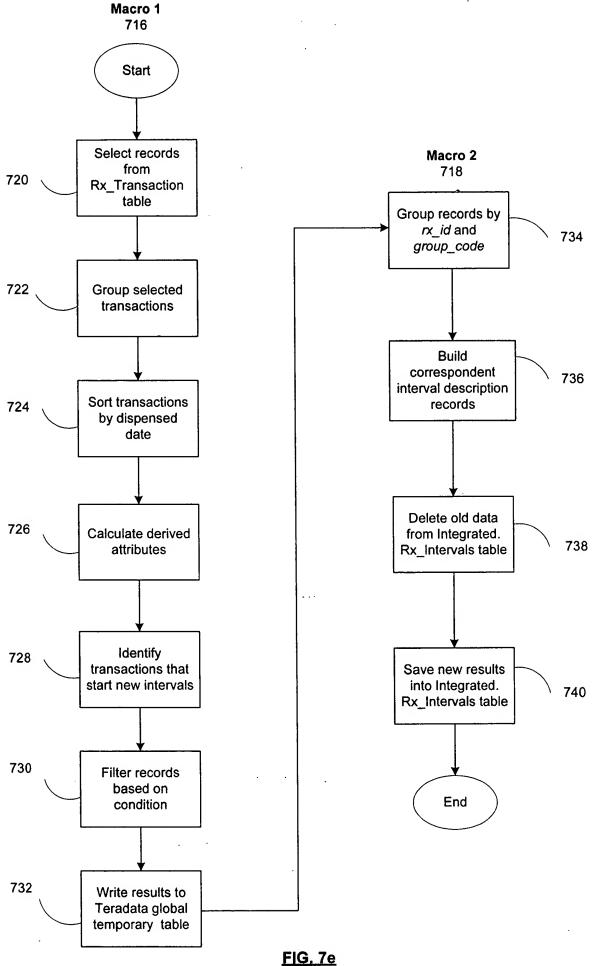
710 Rx Transaction Table Entries

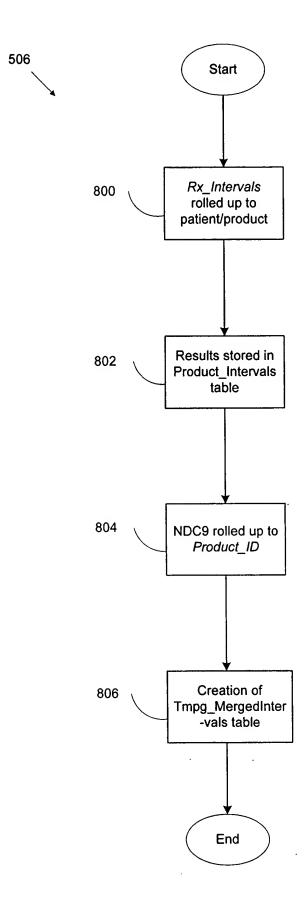
				1		1	6	1111
Rx id	Transaction Id	Dispensed ndc	Refill_no	Dispensed	Dispensed	Days	Payment Type	DAW
714	I	package code		Date	QTY	Supply		
469,814,736	469,814,736 1,442,997,754	80	2	2000-01-28	09	30	T	0
469,814,736	469.814.736 787.315.098	80	3	2000-06-01 60	09	30	T	0
469,814,736	469.814.736 627.226,368	80	4	2000-07-03 30	30	15	T	0
469,814,736	469.814.736 469.814.736	80	0	2000-12-11	09	30	Т	. 0
469,814,736	469,814,736 633,143,033	80	1	2001-01-30 60	09	30	T	0

712 Corresponding RX Interval Records

		2.00	2001-01-30	2001-02-30	2000-12-11	469,814,736
		2.00		2000-07-18	2000-01-28	469,814,736
						714
Start_refill_nbr	Refill_count	Q ₂	Last_refill_date	End_date	Start_date	Rx_id

FIG. 7d





<u>Fig. 8</u>

	Product_Intervals				
Column Name	Data Type	Nuli Option	Description		
patient_id			pattent_td and interval_td are combined to create the		
interval_id ·		Small int	primary key. tnterval_td is a small int and restarts for each patient.		
prescriber_id			Identifies the prescribing physician. This is a sequentially generated identifier. The xRef_DEA table provides a look-up between the prescriber_id and the DEA number. In the future, another "xRef" table will provide a direct map between the prescriber_id and the Dendrite UMP database.		
; product_id			Corresponds to a combination of a unique product trade name and classification from NDDB. Every unique combination is given a product ID. Product IDs can also be custom-defined. Custom-defined product have negative product IDs.		
category_id			Category_ID is the Therapeutic Category that this product belongs to. This is a narrow grouping of products. Products within the same Therapeutic Category are considered generally equivalent to one another, in other words they compete amongst each other. The Category_ID corresponds to the class_id part of a product's Generic Product Identifier (GPI) in the MDDB Database. Classes can also be custom-defined.		
area_id			Identifies the Therapeutic Area that this product belongs to. This is a broad grouping of comparable products. That's to say, products between which switch events are possible. If two products are not in the same Therapeutic Area, then they aren't considered switch candidates.		
start_date			Indicates the start of the current refill's treatment cycle. Calculated from the Rx purchase date.		
end_date			Indicates the end of the current refill's treatment cycle. Calculated by adding the days_supply of the medication to start_date.		

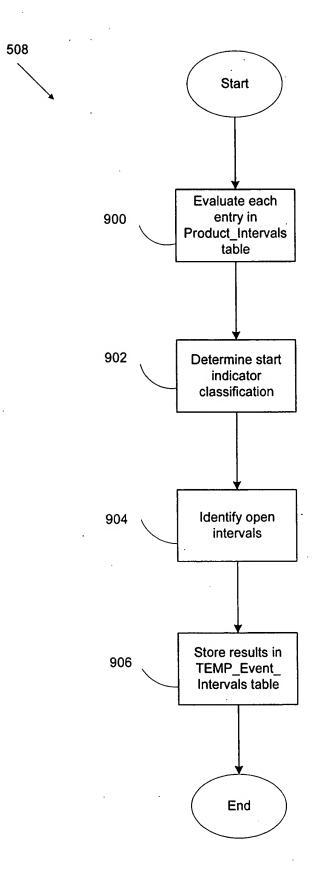
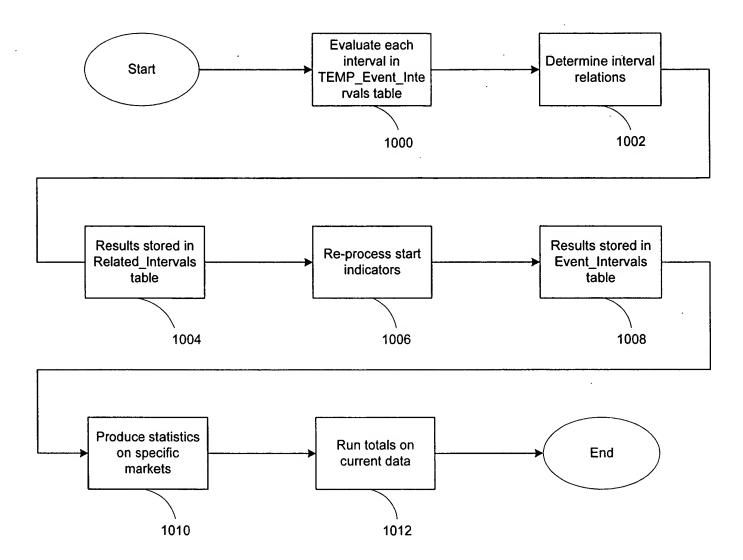
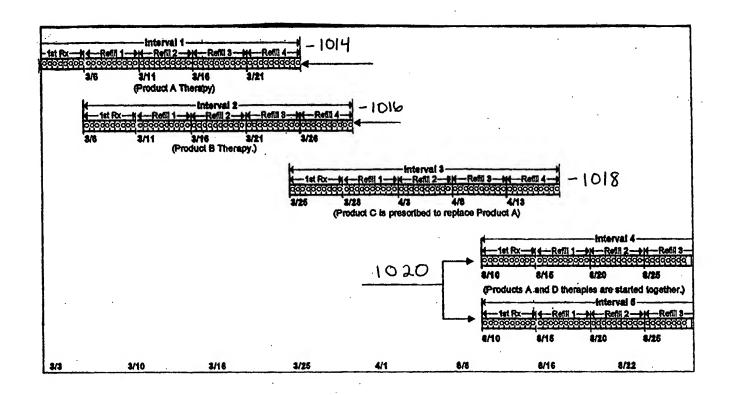


FIG. 9

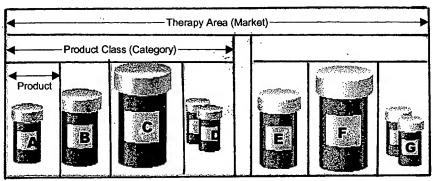
Value	Name	Description
Ť	Area Start	First time the patient has taken any product in this therapeutic area
М	Category Start	First time the patient has taken any product in this therapeutic category
В	Product Start	First time the patient has taken this product
		The patient is taking this product after not taking this product anytime in
R	Restart	the previous 90 days
X	Intermittent	None of the above conditions met. Indicates intermittent use

<u>FIG. 9a</u>





F1G. 10a



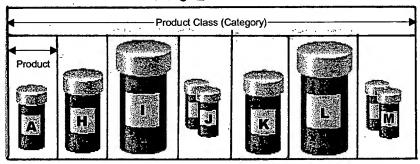
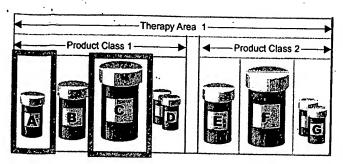
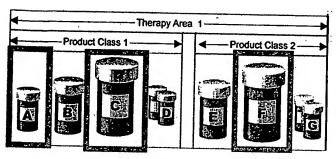
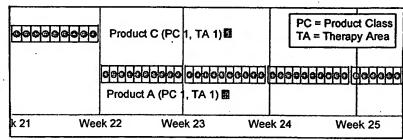


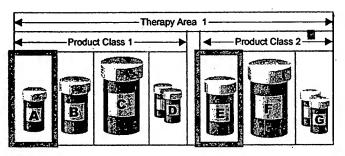
Figure 10b.

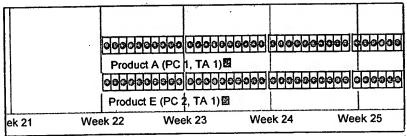


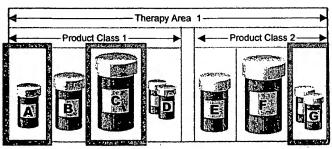
21	Week 22	Week 23	Week 24	Week 25
	Produc	ŧ F (PC 2, TA 1)₫		
	00000	0000000000	00000	000000000000000000000000000000000000000
	Produc	ct A (PC 1, TA 1)	8	
	98099	00000 00000	00000	
@@@ ©	@@@ Produc	C (PC , TA 1)	8	











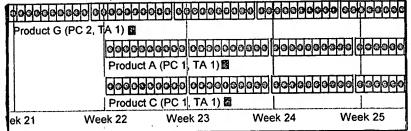
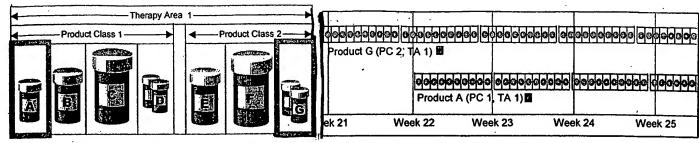
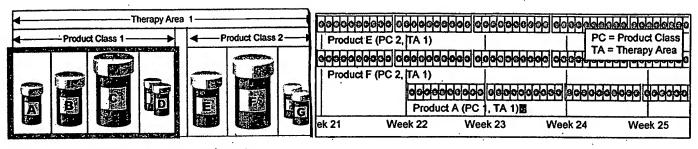
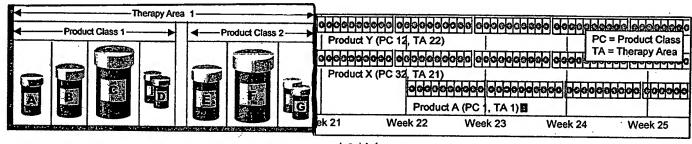
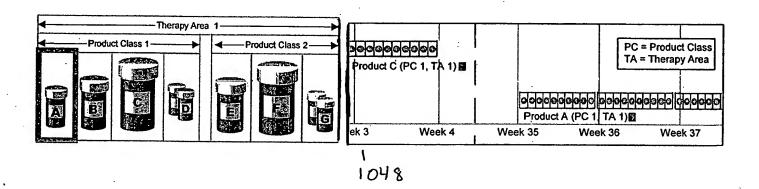


Figure 10 C









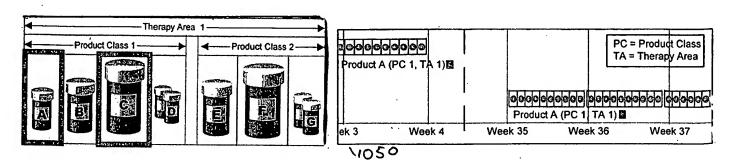
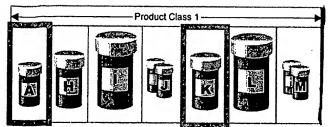
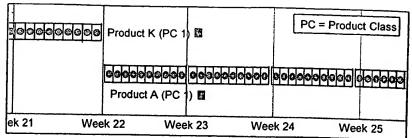
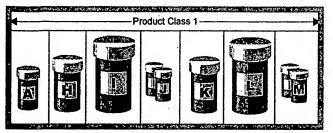


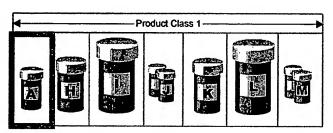
Figure 10d

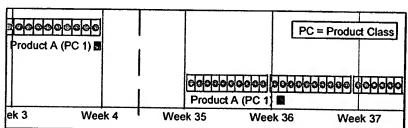


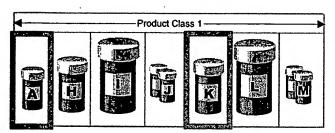




		9 999 0 9990	PC	= Product Class
ek 21	Week 22	Week 23	Week 24	Week 25







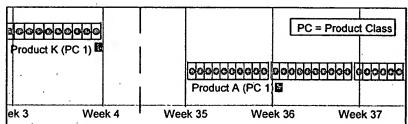


Figure 10e

FIG. 11

End

FIG. 12

database

End

Teradata MSA Geography tables

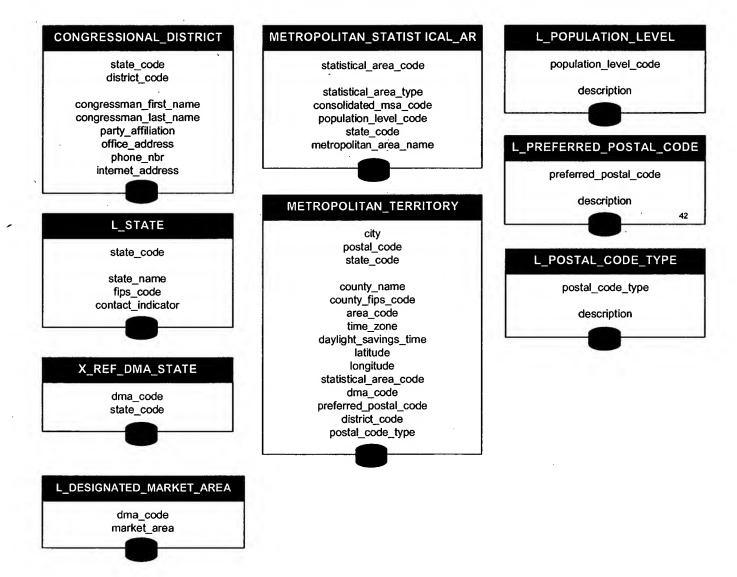


Figure 13

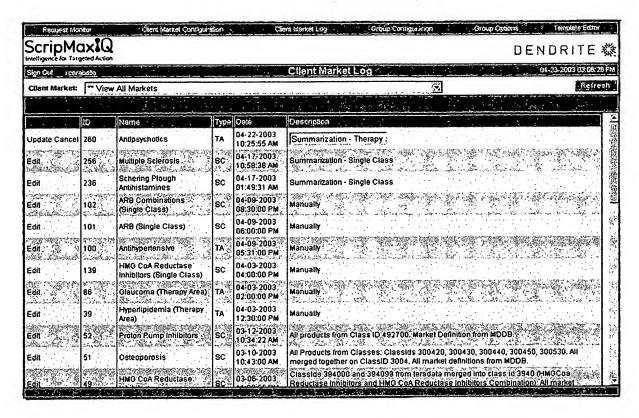
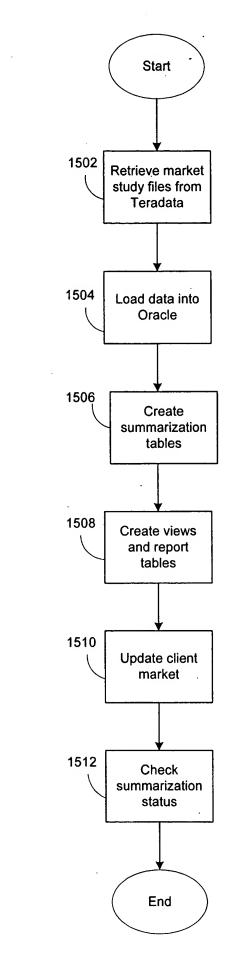


Figure 14



1500

FIG. 15

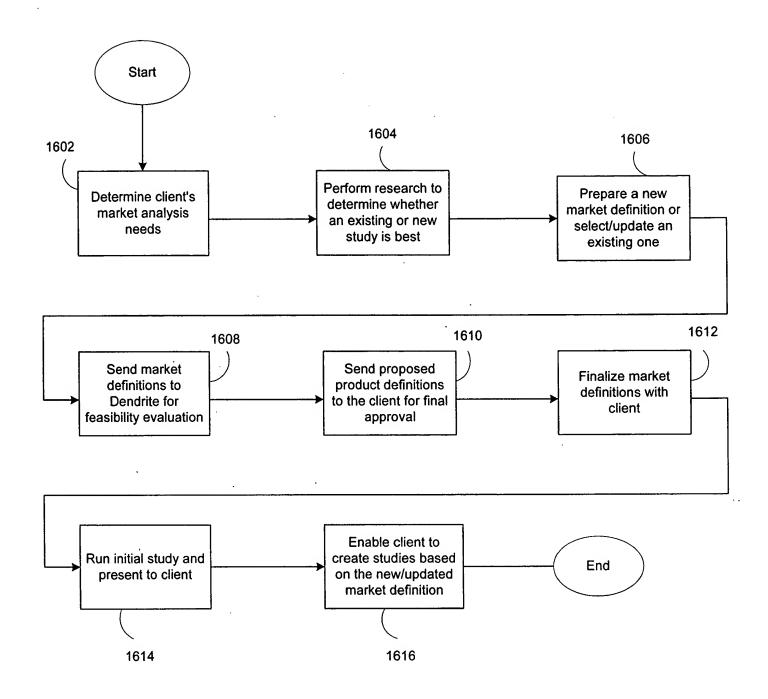


FIG. 16

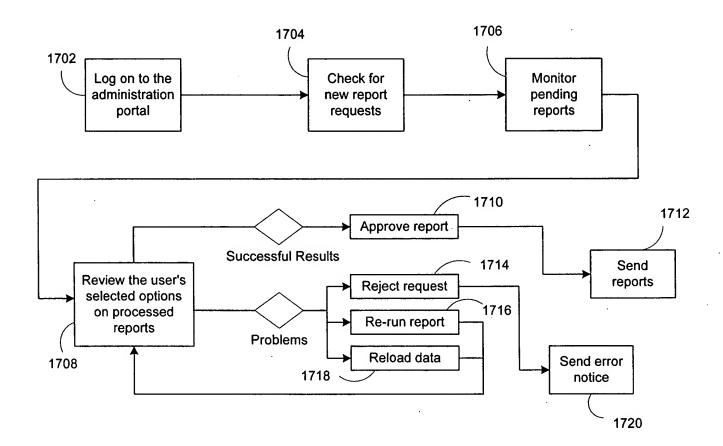


FIG. 17

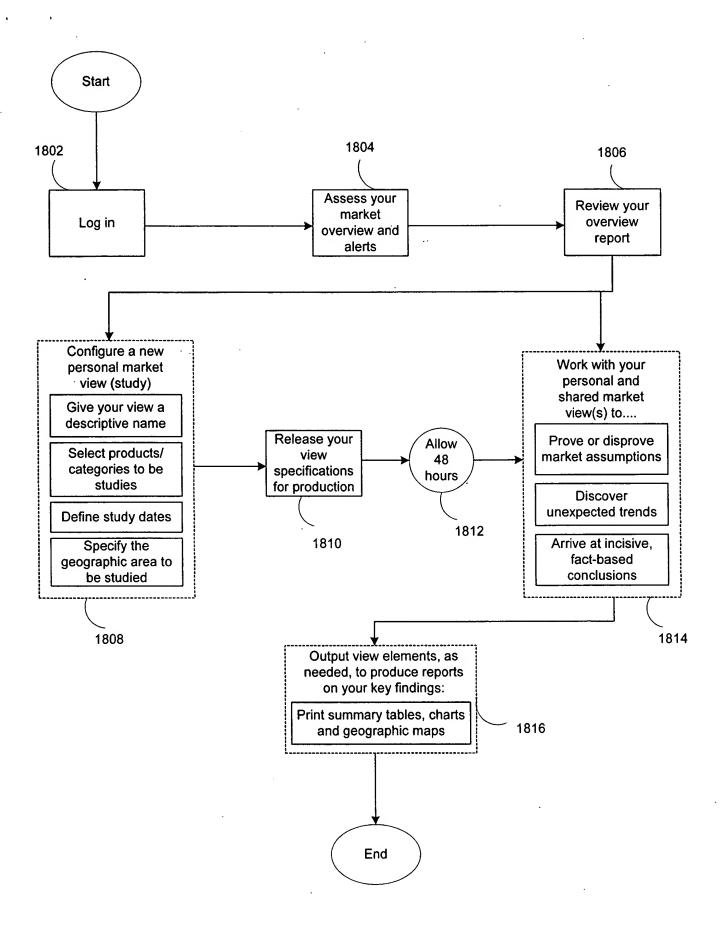
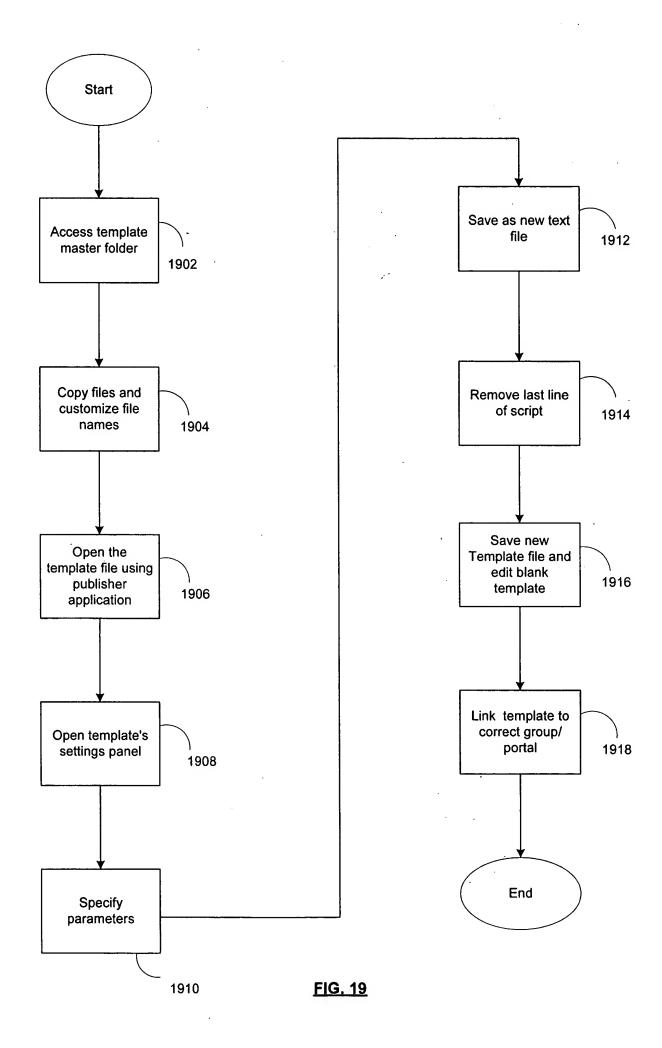
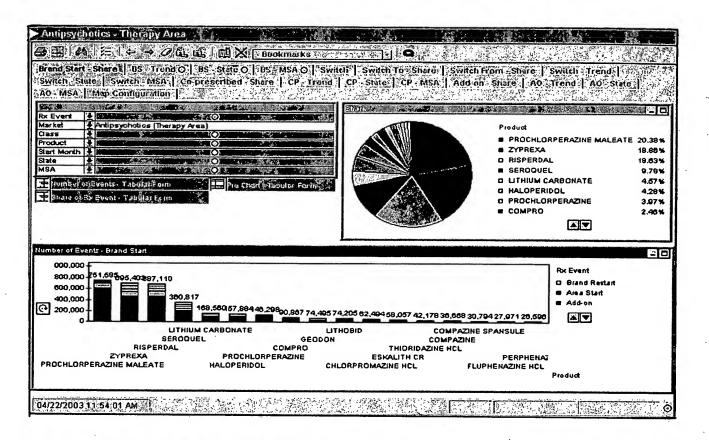


Fig. 18





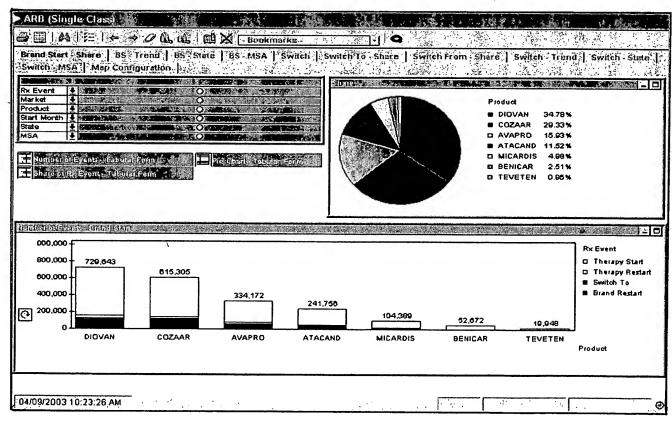
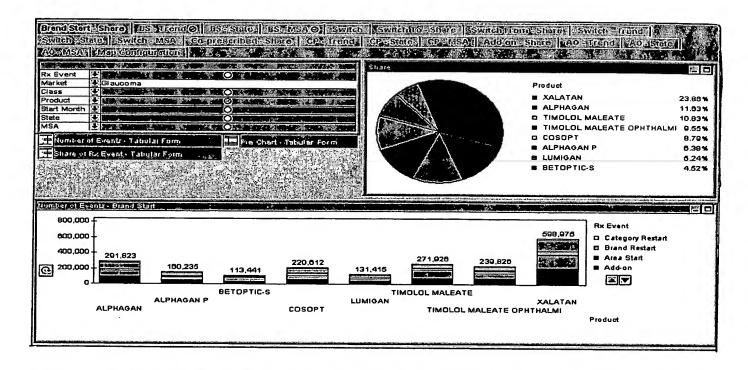


Figure ZOA



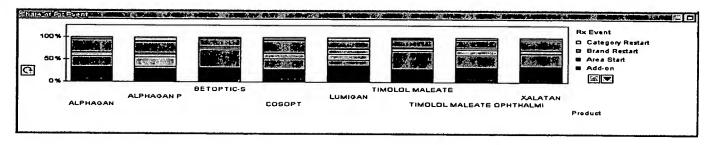


Figure 20 b

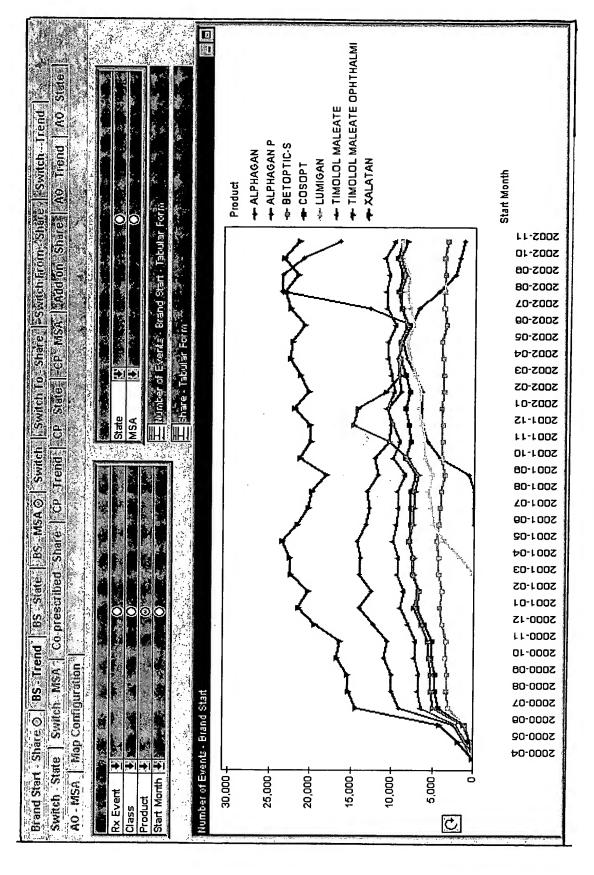


Figure 20C

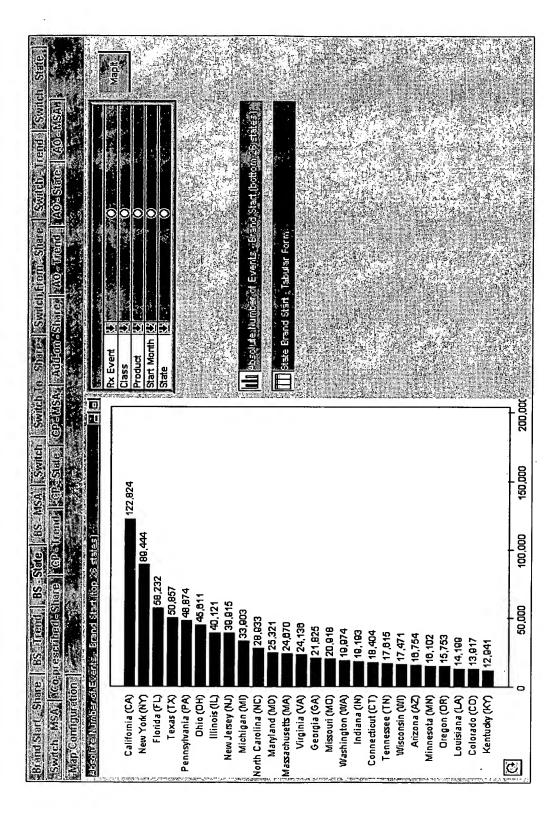


Figure . 20d

Switch : State Switch : MSA Co-prescribed - Sharez CP - Trend CP - State CP - MSA Add-on	ed Share CP	Trend CP St	GP. M	SA Add o		Share 40 Trend 40 State
AO - MSA Map.Configuration;						
umber of MSA Events - Brand Start			And a second sec			e designa de participa de la composição de
MSA	Absolute V per Total Population	dal Population	Rx Event	5 =	0	
lotal	2,028,253		Class			
Events with No Matching MSAs	1,306,151		Product	E.	(
New York, NY PMSA	40,683	4,367.83	Start Month	+		
os AngelesLong Beach, CA PMSA	29,681	3,117.97	State			
Chicago, IL PMSA	25,828	3,122.05	CMSA			
Philadelphia, PA-NJ PMSA	23,012	4,511.33	USM			
Washington, DCMDVAWV PMSA	16,154	3,281.23	MOA	K		Sec. 14.18
Orange County, CA PMSA	14,517	5,100.33				
Boston, MANH PMSA	13,183	3,869.58				
Detroit, MI PMSA	13,126	2,955.27				
Baltimore, MD PMSA	11,758	4,605.57				
ClevelandLorainElyria, OH PMSA	11,510	5 113.58				
NassauSuffolk, NY PMSA	11,198	4,066.21		r Values on MS	ISH EVENIS I	rand start
Houston, TX PMSA	10,767	2,577.29				
	630.0	2.397.01				

Figure 20 C

Bronosten Shore BS Trend BS State BS State Switch MSA Coptessibed AO MSA M	Share CP Strend GP	o: Share (M) Switch From Share (State) SP MSA Addron-Share	Switch Trend® AV-State
From Class OBetablockerse Opidie (min		Start Month State State Storics (EB) 75.	
Number of Events - Switch STERDMTPRODUCTS) STOTAL PHAGAN + TIMOLOL MALEATE TIMOLOL MALEATE TRAVATAN	ALPHAGAN P + BETIMOL	Hűmber di Eventsi Hel Sydtön To ALPHAGAN P + BETIMOL + XALATAN	Tabular Form ' ALPHAGAN P + BETOPTIC-S
XALATAN			
Lomber of Events - Net Smith To			
	7		7
-5	ALPHAGAN P + BETIMO IDPTIC-XE ALPHAO		TIC-S HAGAN P + LEVOBUNG To Products

Figure 20f

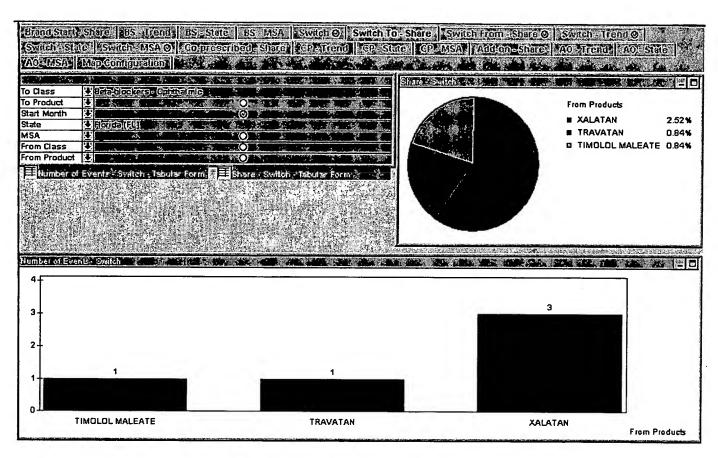


Figure 20g

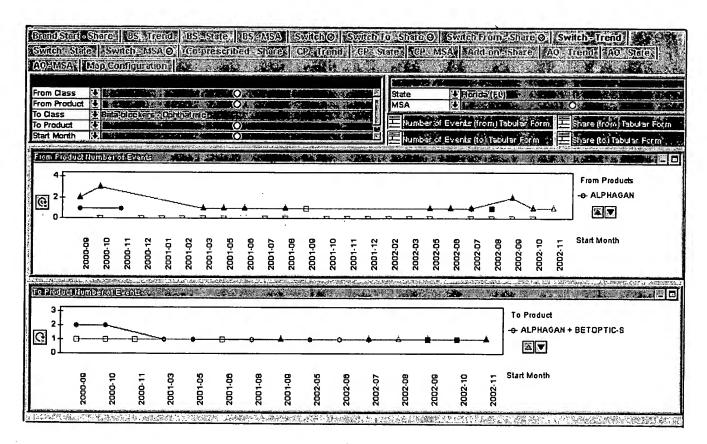


Figure 20h

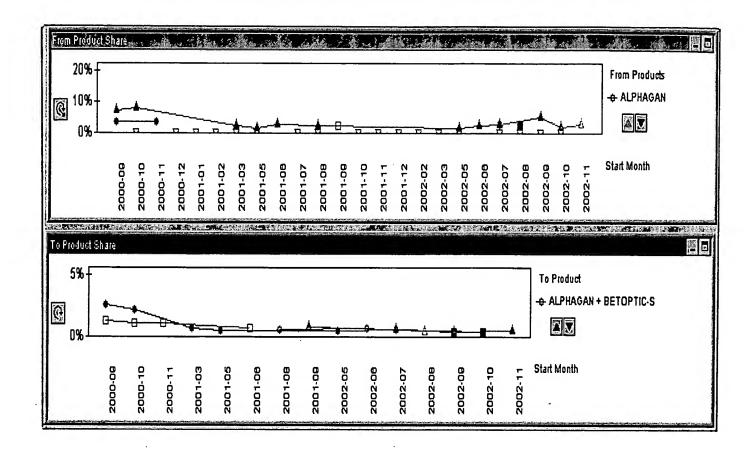


Figure 20i

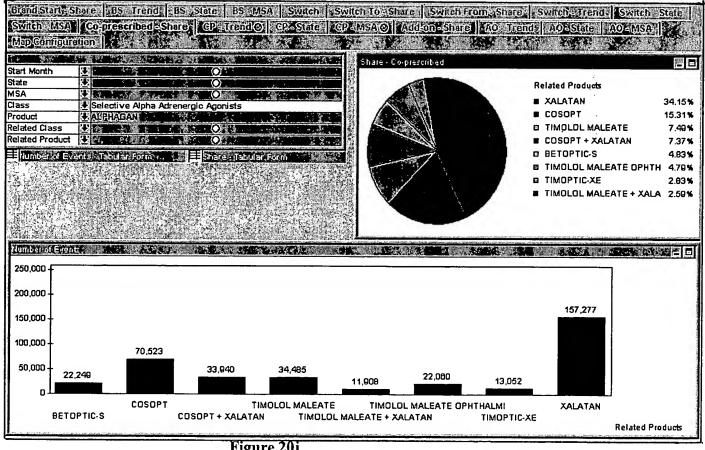


Figure 20j

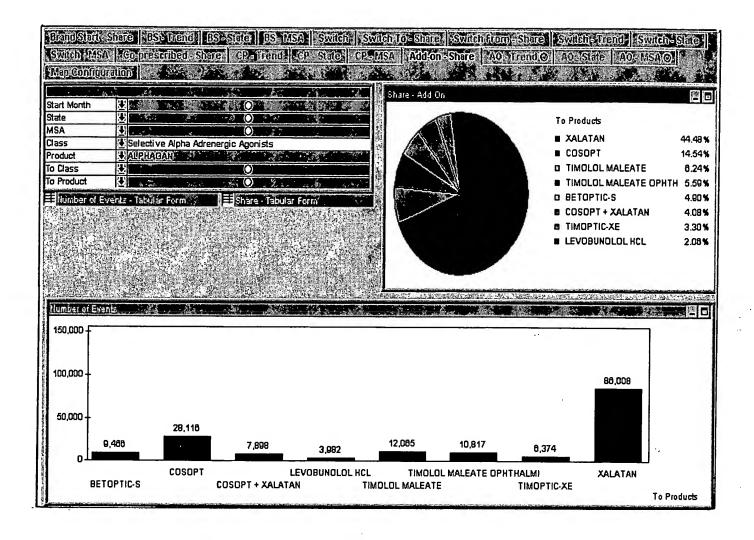


Figure 20 K

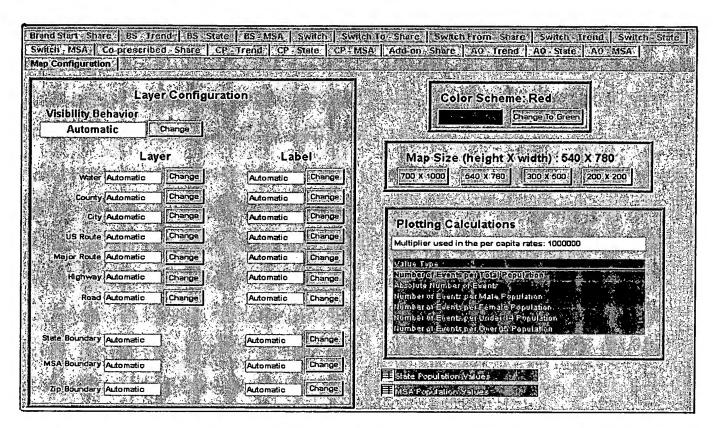


Figure 201

🗿 Scripklax 10. Refresh,Studyy, klicmsoft Internet Explaner.		· 图 · 8 · 8	Address (2) http://scripmaxq.dendite.com/Dendrite/user/flazfedt.cfm?action=edit&viewid=22228ReturnURI= Dendrite/user/flazfodex. 🗸 🖺 Go Links 🥦		Market Details	Antidepressant	Refreshed: Wednesday, Aug	20.	Estimated Size	4.8 MB Wilhin 50 MB Size Limit											>		i : 🚯 Internet
And the fact of the second		@Beck· ○ X E A Search A Favorites W Neds @ 公· 學 E A A	=edit8wiewid=22228ReturnURL=JL			in abandana senenanan		MSA Level Brand Start - Share, Product Trend, Rx Event Trend, State, MSA	A. None	Remeron Sollab	Af None	□Parnate	At None	☑ Effexor ½r	☑ Wellbutrin		A# None	Serzone	☐ Trazodone Hcl Dív		RIS) At None	37	
osoft internet Explorer		Search & Favorites	ndrite/user/flazjedt.cfm?action=	ŧ	mate 2003	remenderational parameter, and conscrept relations and representations and research the research of the research the resea	>	t - Share, Product Trend, F	Alpha-2 Receptor Antagonists (Tetracyclics)	Remeron		□Nardi	: S	☑ Effexor	☑ Maprotiline Hcl			☐ Desyrel Dividose	☐ Trazodone Hcl		Selective Serotonin Reuptake Inhibitors (SSRIs)	TO DESCRIPTION OF THE PROPERTY	
. Refresh _i Study.; Micro	Yew Favorites Iools Help		/scripmaxxq.dendrite.com/Der	on Refresh Study . Antidepressant	Name: Antidenressant annist 2003	Andrew Control of the	Template: MSA Brand Start	MSA Level Brand Star	: Alpha-2 Receptor Ar	■ Mintazapine	MAO Inhibitors	☐ Marptan	Misc. Antidepressants	☐ Bupropion Hcl	☐ Ludiomil	☑ Wellbutrin Sr	Modified Cyclics	☐ Desyrel	☐ Trazadone Hcl	☐ Trialodine	Selective Serotonin		
3 Scripklax 10.	File Edit View) . ypag ()	Address & http:/	on 📆 Refresh	a men		Template	Par at Marketon	Products:		2	W	an bour shoot		வ	ar (**************************					•		3

Figure 21

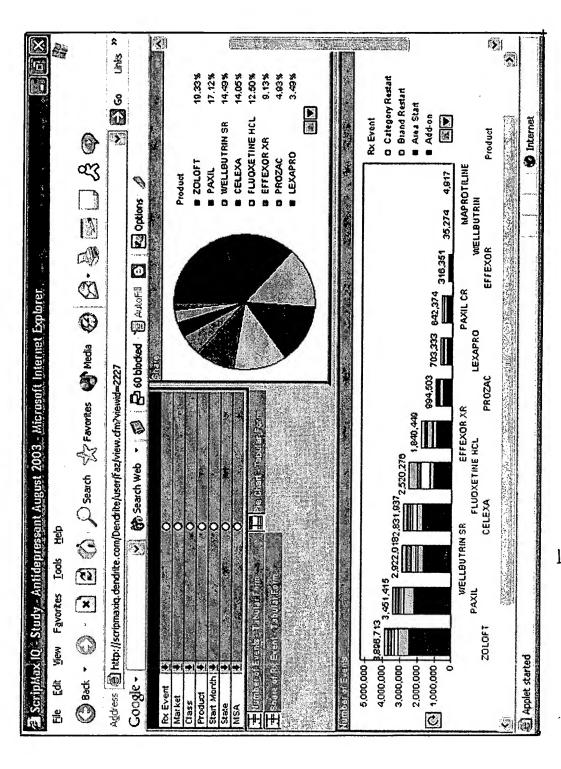


Figure 22

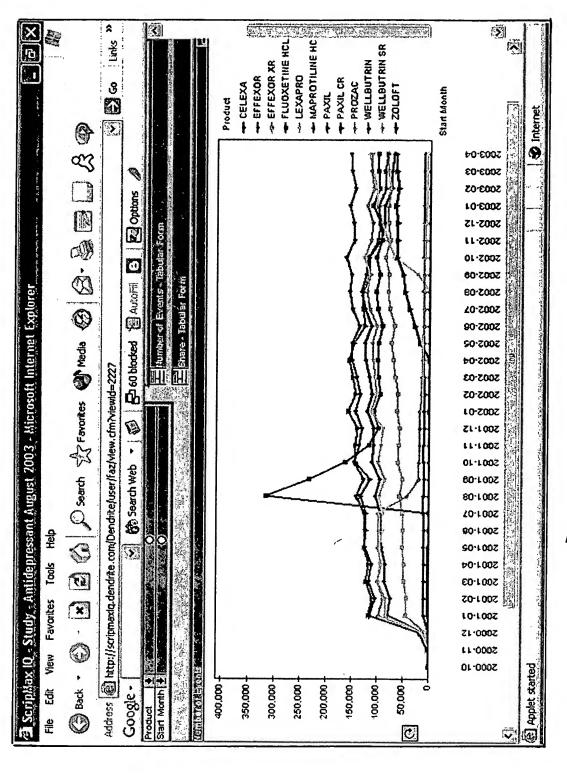


Figure 23

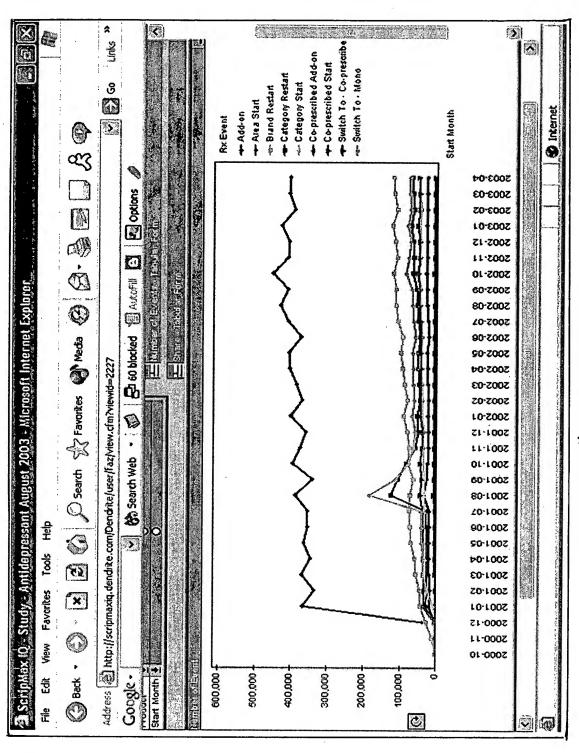
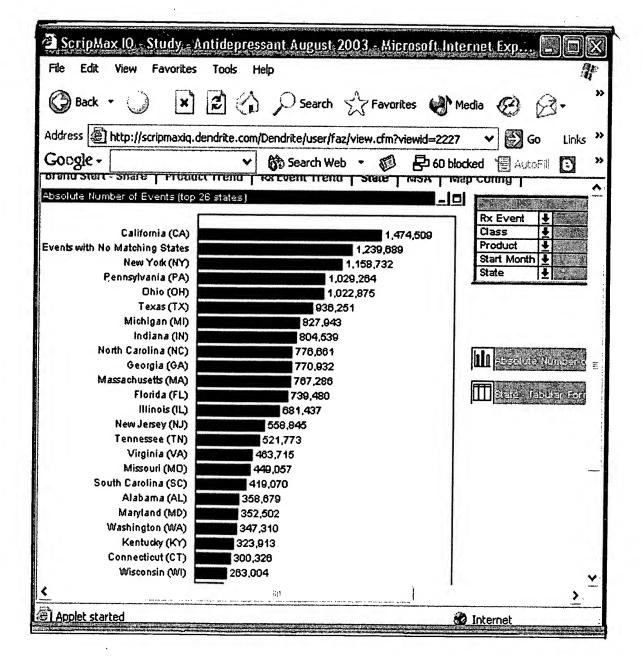


Figure 24

Figure 25



This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.